

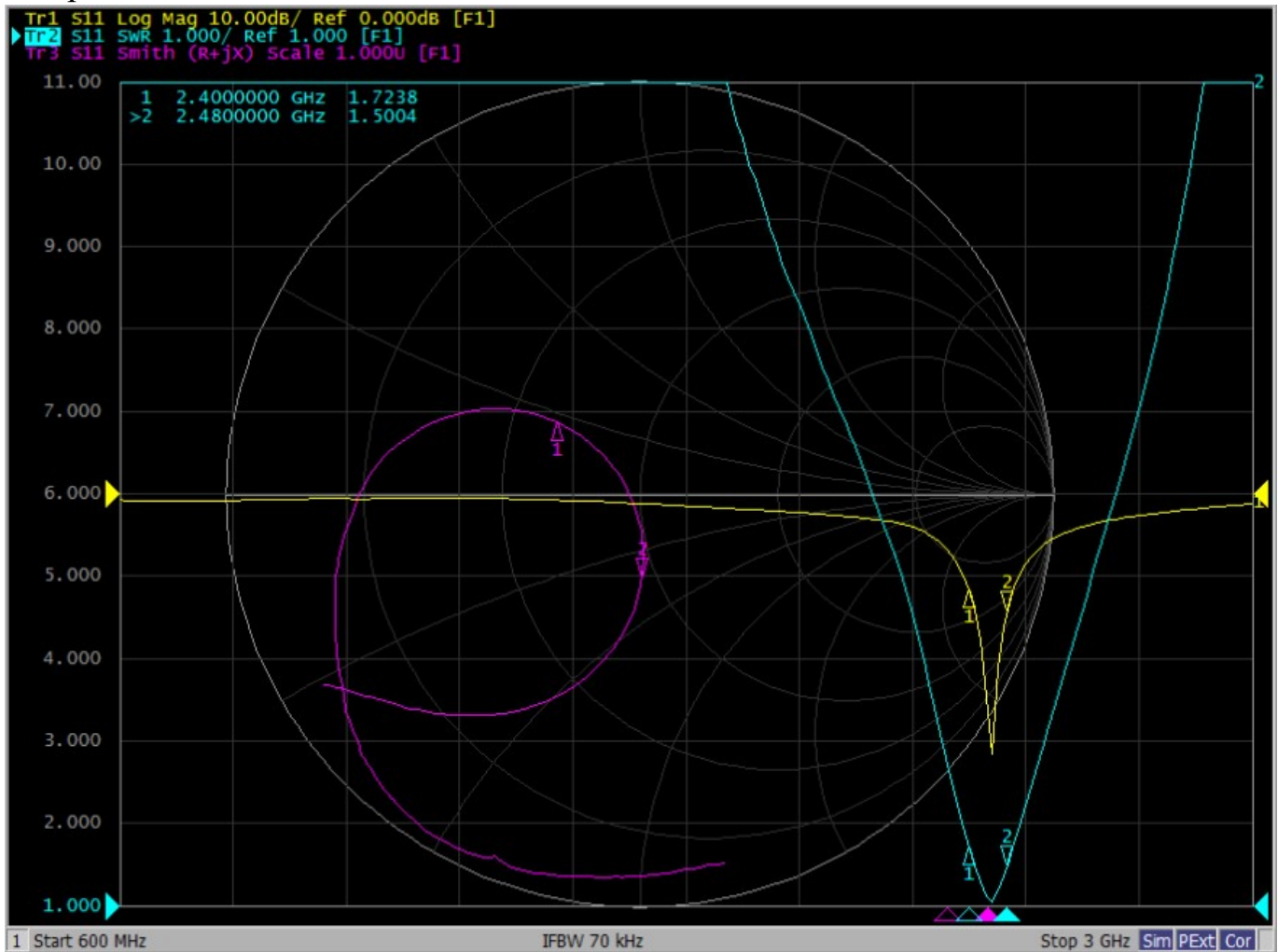


I: The report of passive data



Angilent E5071C

S11 parameter:

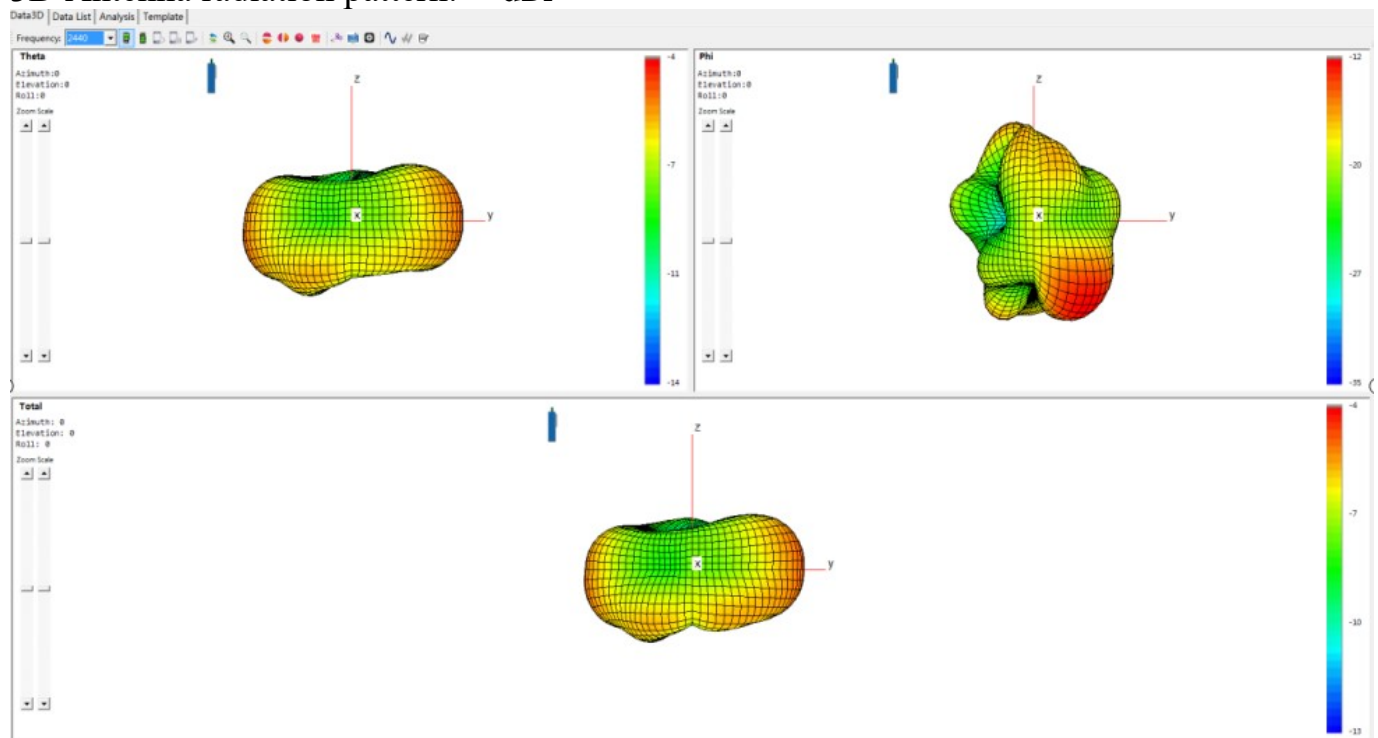




Efficiency:

L			
Frequency (MHz)	Efficiency	Efficiency (dB)	Gain (dBi)
2400	25.4%	-5.96	-4.25
2410	26.0%	-5.84	-4.11
2420	28.2%	-5.50	-3.67
2430	29.8%	-5.26	-3.32
2440	28.7%	-5.42	-3.42
2450	27.9%	-5.55	-3.47
2460	26.9%	-5.70	-3.51
2470	25.3%	-5.96	-3.76
2480	24.1%	-6.19	-4.01
Average value	26.9%	-5.70	-3.72

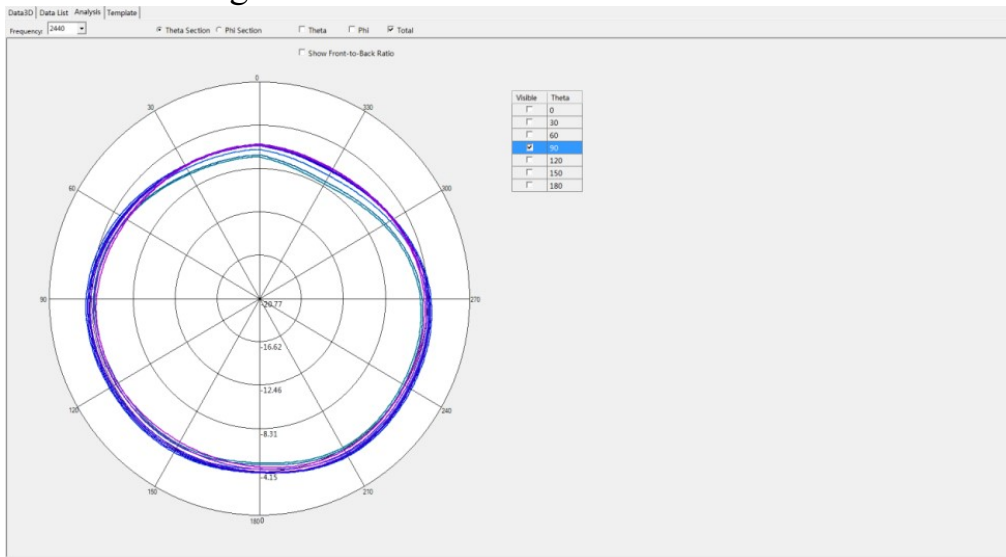
3D Antenna radiation pattern: dBi



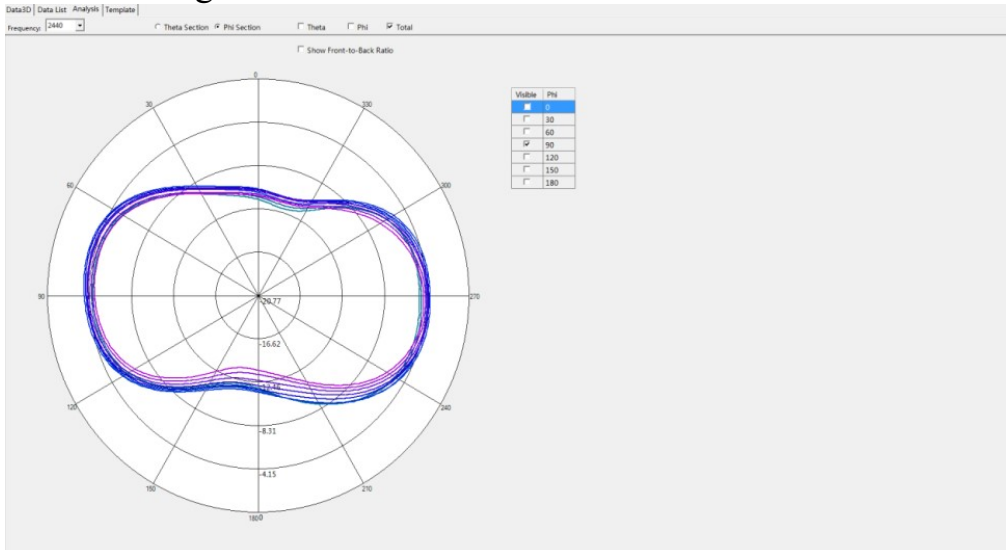


Antenna radiation pattern: dBi

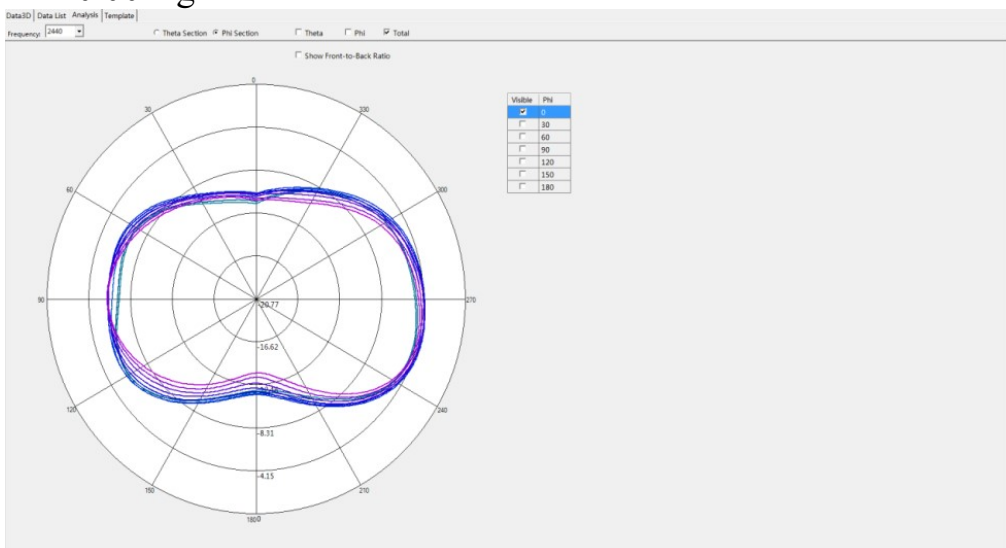
Theta=90.00deg



Phi=90.00deg



Phi=0.00deg





II: 3D Active test report of antenna

Free space	Channel	TRP (dBm)	TIS(dBm)
L	CH 0	3.8	-89.6
	CH 39	5.6	-90.4
	CH 78	4.0	-89.8

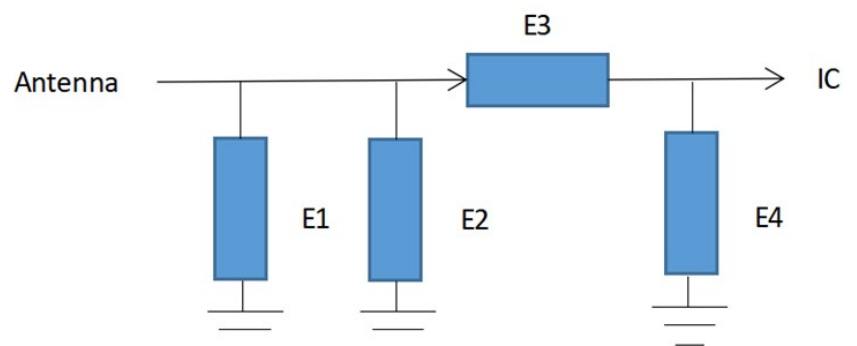
Headform	Channel	TRP (dBm)	TIS(dBm)
L	CH 0	-0.9	-85.2
	CH 39	0.3	-86.0
	CH 78	-1.3	-85.1



OTA Standard Chamber

III: Matching circuit

Element	Value
E1(0201)	N/A
E2(0201)	2.4pF
E3(0201)	0Ω
E4(0201)	N/A





IV: Structure file

